

Title (en)

Method and apparatus for processing data for transmission in a multi-channel communication system using selective channel inversion

Title (de)

Verfahren und Vorrichtung zur Verarbeitung von Daten zur Übertragung in einem Multikanal-Kommunikationssystem mit selektiver Kanal inversion

Title (fr)

Procédé et appareil pour le traitement de données pour la transmission dans un système de communication multi-canal utilisant l'inversion de canal sélective

Publication

EP 2053773 A1 20090429 (EN)

Application

EP 09152606 A 20020517

Priority

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Abstract (en)

Techniques for determining a threshold used to select transmission channels for data transmission in a multi-channel communication system. According to these techniques, the threshold is determined by a number of steps, including defining a set of code rates, wherein each code rate is selectable for coding data prior to transmission, defining a set of setpoints, wherein each setpoint corresponds to a respective code rate and is indicative of a target signal-to-noise-plus-interference ratio (SNR) required at the corresponding code rate for a particular level of performance, determining a particular number of transmission channels supported by each code rate and capable of achieving the setpoint corresponding to the code rate, determining a performance criteria for each code rate based in part on the number of supported transmission channels, and selecting the threshold based on the determined performance criteria for the code rates in the set, wherein transmission channels are selected for use for data transmission based on the threshold.

IPC 8 full level

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WO 02093779 A2 20021121; WO 02093779 A3 20030213; AU 2002259221 A1 20021125; BR 0209640 A 20040831; CN 1568586 A 20050119; CN 1568586 B 20101222; EP 1389366 A2 20040218; EP 1389366 B1 20160420; EP 2053773 A1 20090429; EP 2317664 A2 20110504; EP 2317664 A3 20121010; JP 2004535105 A 20041118; JP 2009081873 A 20090416; JP 2011097619 A 20110512; JP 5296042 B2 20130925; JP 5415057 B2 20140212; KR 100919082 B1 20090928; KR 100942646 B1 20100217; KR 20030094420 A 20031211; KR 20090058595 A 20090609; TW 576032 B 20040211; US 2003048856 A1 20030313; US 2010074351 A1 20100325; US 2010104039 A1 20100429; US 2010246704 A1 20100930; US 7688899 B2 20100330; US 8040965 B2 20111018; US 8477858 B2 20130702; US 8488706 B2 20130716

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